Ministry of
Northern Development
and Mines

Ontario

René Fontaine
Minister
George Tough
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

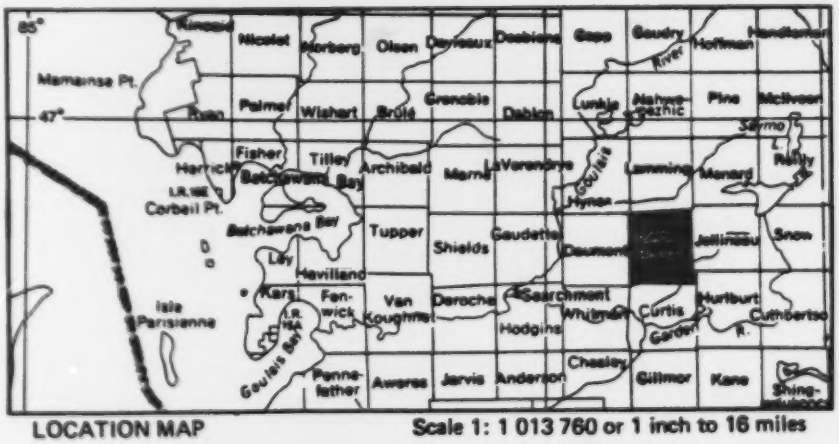
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 308

HUGHES TOWNSHIP

DISTRICT OF ALGOMA

Compiled by the staff of
the Resident Geologist's Office
Sault Ste. Marie



LOCATION MAP

Scale 1: 1 013 760 or 1 inch to 16 miles

NTS Number 41 J/13

Mining Claim Map Number M - 1459

86-04100/

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey.
1985: Hughes Township, District of Algoma; Ontario Geological Survey, Geological Data Inventory Folio 308 , compiled by the staff of the Resident Geologist's Office, Sault Ste. Marie, 16 pages and 2 maps.

Original Compilation by: Melisek, J.D.

Date	Page Revised	Revised by

Date	Page Revised	Revised by

HUGHES TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map
Exploration Data Map 1 map
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	J.D.M
2	Assessment Files Research Office, Toronto	Yes	A.F.R.O.
3	ODM General Index; 9 Volumes	Yes	J.D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	J.D.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	J.D.M.
6	ODM Industrial Mineral Reports	No	J.D.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	J.D.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	J.D.M.
9	Newspaper Clippings File	No	J.D.M.
10	GSC Index to Publications	Yes	J.D.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	J.D.M.
12	OGS Index Maps	Yes	J.D.M.
13	Source Mineral Deposit Records (O.G.S.)	Yes	J.D.M.
14	Author - Subject Articles File	No	J.D.M.
15	Miscellaneous Papers: ODM & OGS	Yes	J.D.M.
16	ODM Geological Circulars: OGS Study Series	No	J.D.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	J.D.M.
18	ODM – OGS Open File Reports	No	J.D.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	J.D.M.
20	OGS Aggregate Resources Inventory Papers	No	J.D.M.
21	OGS Mineral Potential Maps	Yes	J.D.M.
22	Algoma Central Railway	N.A.	J.D.M.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- △ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- △ ba. . . . . .Barite
- △ be. . . . . Beryl
- △ Bi. . . . . .Bismuth
- △ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- △ cp. . . . . .Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- △ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- △ fl . . . . . .Fluorite (flurospar)
- △ fu. . . . . .Fuchsite
- △ gn. . . . . Galena
- △ gt . . . . . Garnet
- △ goe . . . . . .Goethite
- △ Au . . . . . Gold
- △ gf . . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- ▲ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . .Platinum
- △ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- △ po . . . . . .Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . .Sphalerite
- △ spd . . . . . .Spodumene
- △ staur . . . . . .Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . .Zinc
- △ zr . . . . . Zircon
- ▲S. . . . . .Sulphides

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

HUGHES TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Conway Occurrence	Pb,Zn,Ag		MDC 1 p. 45 MDC 12 p. 73	-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
B	Unnamed Occurrence	Pb,Zn,Ag			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
C	Unnamed Occurrence	S			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
D	Unnamed Occurrence	S			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
E	Unnamed Occurrence	S			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
F	Unnamed Occurrence	S			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302
G	Unnamed Occurrence	S			-O.D.M. Annual Report Vol. 37 Part 3, p.53-67 -Batchawana Sheet Map P.302

GDIF FORM NO. 1

HUGHES TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Cooper, W.J. (Hughes 0010-A1)			69	69															
2	Polex Mines Ltd. (Hughes 0010-C1)	70			70			70 71												
3	Powley, S. (Hughes 0010-E1)			81	81															
4	St. Regis Lead Mines Ltd. (Hughes 0010-D1)				49															
5	Asarco Exploration Co. of Canada Ltd. (Hughes-0011)				74				73	73										
6	Daley, T. Clark, G.R. (Hughes 0012-A1)								69			69	69							
7	Carrier, G. (Hughes 0012-B1)			69																

GDIF FORM NO. 2

HUGHES TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
8	Argoma Uranium Mines Ltd. (Hughes 0012-C1)	55				55		55												
9	Fleming, D. C. (Hughes 0014)			83																
10	Canadian Nickel Co. Ltd. (Hughes 0015) (Hughes 0017)					82		82	82	82	82									
11	Campbell, C. W. (Hughes 0016)				82	82														
12	Polex Mines Ltd. (Hughes 0013-A1)	70										70	70							
13	Asarco Exploration Company of Canada Ltd. (Gaudette 0015-A1)											73	73							

5

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Cooper, W. J.	C2-1	1969	S60°W	-45°	9.7	157.0	py,q,carb, cp,Zn,gn, mag,po	
1	Cooper, W. J.	C2-2	1969	S60°W	-60°	9.4	199.0	q,py,carb, cp,sp,spec	
2	Cooper, W. J.	C2-3	1969	S60°W	-45°	5.0	151.0	py,q,sp, carb,Zn,Cu	
2	Cooper, W. J.	C2-4	1969	S60°W	-60°	4.0	242.0	q,carb;py,cp	
3	Cooper, W. J.	C3-1	1969	N60°E	-45°	2.0	266.0	q,carb,py, cp,Mn,gn	
4	Cooper, W. J.	C1-1	1969	S40°W	-75°	5.0	178.0	q,carb,py, cp,sp	
5	Polex Mines Ltd.	70-1	1970	N	-50°	36.6	202.0	fel,q,py	
6	Powley, S.	1	1981	NE	-45°	0.0	40.0	fel,q,carb, py,cp	
7	St. Regis Lead Mines Ltd.	1	1949	S35°W	-60°	5.0	52.0	calc,carb,gn	
8	Asarco Exploration Co. of Canada Ltd.	W-A	1974	?	-45°	6.0	351.0	py,po,cp,q, fel,gn	
9	Asarco Exploration Co. of Canada Ltd.	W-C	1974	?	-45°	5.0	257.0	py,po,cp	

HUGHES TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
10	Asarco Exploration Co. of Canada Ltd.	W-D	1974	?	-45°	7.0	245.0	py,po,cp,q, fel	
11	Asarco Exploration Co. of Canada Ltd.	W-E	1974	?	-45°	6.0	250.0	py,po,cp, fel,q	
12	Campbell, C. W.	70107	1982	90°	-44°	3.66m	30.5m	py,po,cp, q,hem	Cu,Pb,Zn, Au,Ag
13	Campbell, C. W.	70108	1982	90°	-49°	0.0	30.5m	sp,py,q,fel	Cu,Pb,Zn, Au,Ag
14	Campbell, C. W.	70109	1982	?	-49°	2.44m	38.1m	py,fel,q,po	Cu,Pb,Zn, Au,Ag
15	Campbell, C. W.	70110	1982	60°	-35	2.74m	108.5m	py,q,hem, carb,sp,cp	Cu,Pb,Zn, Au,Ag
16	Campbell, C. W.	70111	1982	?	-40°	2.49m	35.4m	q,py,cp	Cu,Pb,Zn, Au,Ag
17	Campbell, C. W.	70112	1982	?	-40°	4.85m	38.40m	q,fel,carb, py,cp	Cu,Pb,Zn, Au,Ag
18	Campbell, C. W.	7B	1984	530°W	-45°	0.0'	108.0'	py,q,qcv	Au,Ag

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
5	-by Keating Earth Sciences Ltd. -for Asarco Exploration Company of Canada Ltd. -1973	-b. Mark III low frequency (390 C.P.S) in phase/out of phase E.M. system -a. Mark III Fluxgate saturable core magnetometer	150'	N-S	1/8-1/4 mi
10	-by and for Canadian Nickel Company Ltd. -1982	-a. Inco, three frequency, towed bird, electromagnetic system -b. Geometric Model 803 Proton Magnetometer -c. Inco, 4 channel, differential spectrometer	120m	N-S	1/8 mi

GDIF FORM NO. 4

HUGHES TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO.

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. Sault Ste. Marie

GDIF FORM NO.

HUGHES TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched:

Little Garden River
Rod Lake
Hughes Twp.
Campus Creek
Twp. 22 Range X
Tracy Lake
McConnell, R.G.
Garden River
Bussineau, A.
Ranger Lake Mines
Conway Deposit
Hoyt, B.F.
Read, W.H.

Index Volume	Listing:	Report Volume	Part	Page
I	No Listings			
II	No Listings			
III	Conway Galena Claims, Tp.22 Range X, Report and Sketch Map	37	3	65-67
III	Hoyt, B.F. of Canadian Exploration Survey	37	3	54,66
III	Read, W. H. Explorations, Conway Claims	37	3	66
III	Township 22, Range X, Algoma			
	Galena see also Vacheresse claims	37	3	61
	Rocks	37	3	57,58
III	Township 22, Range 10, Algoma see also map 37g	37	3	
IV	No Listings			
V	No Listings			
VI	No Listings			
VII	No Listings			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
VIII	Conway Prospect Tp. 22 Range X, Algoma Dist. (Mining property, report on)	MRC 012		73-74
VIII	Township 22, Range X, Algoma Dist. lead/silver/zinc	MRC 012		73-74
IX	No Listings			

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Giblin, P. E., Leahy, E. J. and Robertson, J. A.	1979	Sault Ste. Marie - Elliot Lake Sheet	O.G.S. Map 2419	1" to 4 mi.
Springer, Janet	1977	Ontario Mineral Potential, Blind River and Part of Sault Ste. Marie Sheet	O.G.S. Prelim. Map p. 1513	1:250,000
Vandine, D. F.	1980	Wakomata Lake Area Northern Ontario Geology Terrain Study	NOEGTS, Study 92 with Map 5005	13 pages 1:100,000
Hurst, M. E.	1928	Ranger Lake and Garden River Area, District of Algoma	O.D.M. Annual Report Vol. 37 Pt.3	P. 68-77
Giblin, P. E. and Leahy, E. J.	1977	Batchawana Sheet	O.G.S. Map P. 302	1" to 2 mi
O.D.M. - G.S.C.	1963	Aeromagnetic Map: Ranger Lake	Map 2214 G	1" to 1 mi
Bennett, G	1981	Geology and Mineral Deposits of Part of Hughes Township	O.G.S. MP 101	p. 132

GDIF FORM NO.9

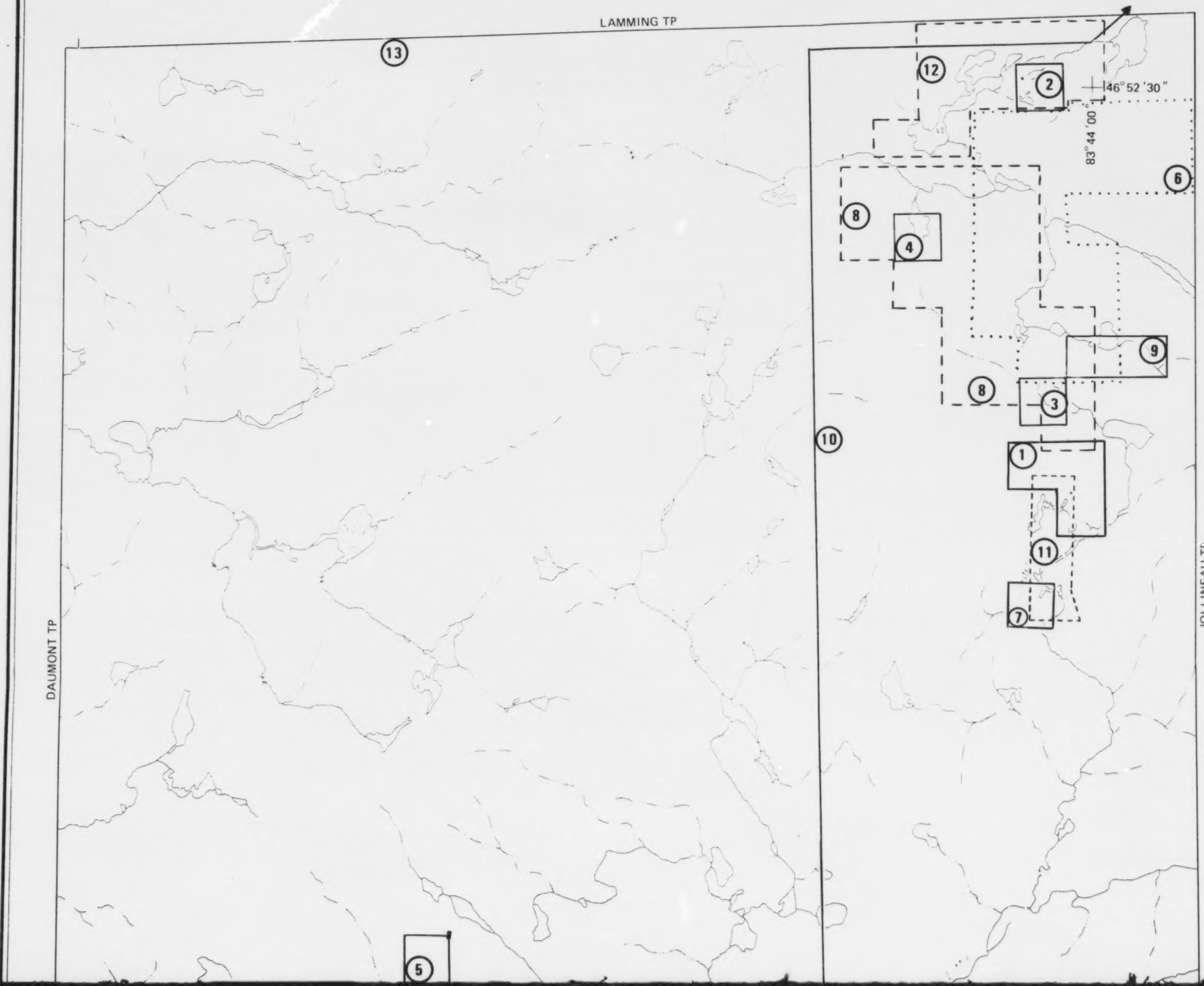
NOTES AND ADDENDA

-Brief computer based index level data files pertaining to mineral occurrences in this township or area can be found in:

1. Pearson, W.N. et al
   1985: Copper Deposits and Occurrences in the North Shore Region of Lake Huron, Ontario; Geological Survey Canada Paper 83-28.

2. Rose, D.G.
   1985: Mineral Inventory of the Sudbury - Timmins - Sault Ste. Marie Region, Ontario; Geological Survey Canada Open File 1087.

-Hughes Township was formerly known as Township 22, Range X.



Ministry of Northern Development and Mines

Ontario

René P
Minister

George
Deputy M

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 3

(Map 1 of 2)

HUGHES TOWNS

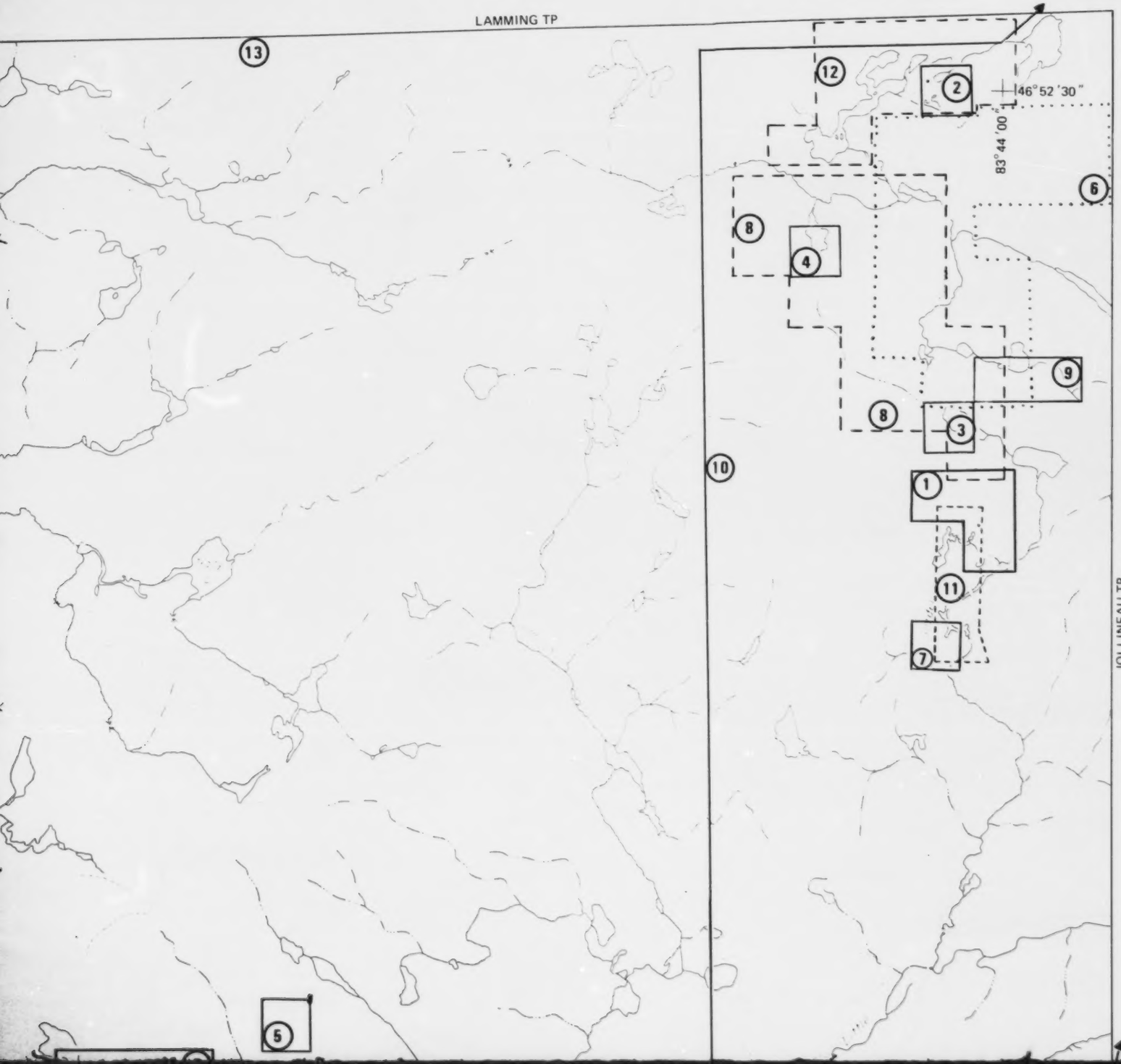
DISTRICT OF ALGOMA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilomet

Mile 0.5 0 0.5

LAMMING TP



JOLLINEAU TP

Ontario Ministry of Northern Development and Mines

René Fontaine
Minister

George Tough
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

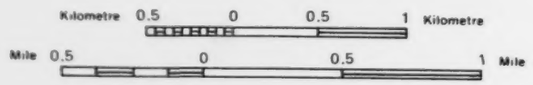
GEOLOGICAL DATA INVENTORY FOLIO 308

(Map 1 of 2)

HUGHES TOWNSHIP

DISTRICT OF ALGOMA

Scale 1:31 680



HUGHES TOW

DISTRICT OF ALGOM

Scale 1:31 680

Kilometre 0.5 0 0.5

Mile 0.5 0 0.5

DAUMONT TP

JOLLINEAU TP

CURTIS TP

83°50'00"

46°47'30"

EXPLORATION DATA FILE

■ ① ⑥ Reference number is always inside
See listing in text pages.

□ x ④ Small area exploration.

HUGHES TOWNSHIP

DISTRICT OF ALGOMA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

JOLLINEAU TP

CURTIS TP

83°50'00"

46°47'30"

ROAD

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆³ — Geochemical sample site, with reference number
- ☐ ◆³ — Area of geochemical sampling, with reference number
- ☐ ✳² — Age dating material sampling site, with reference number

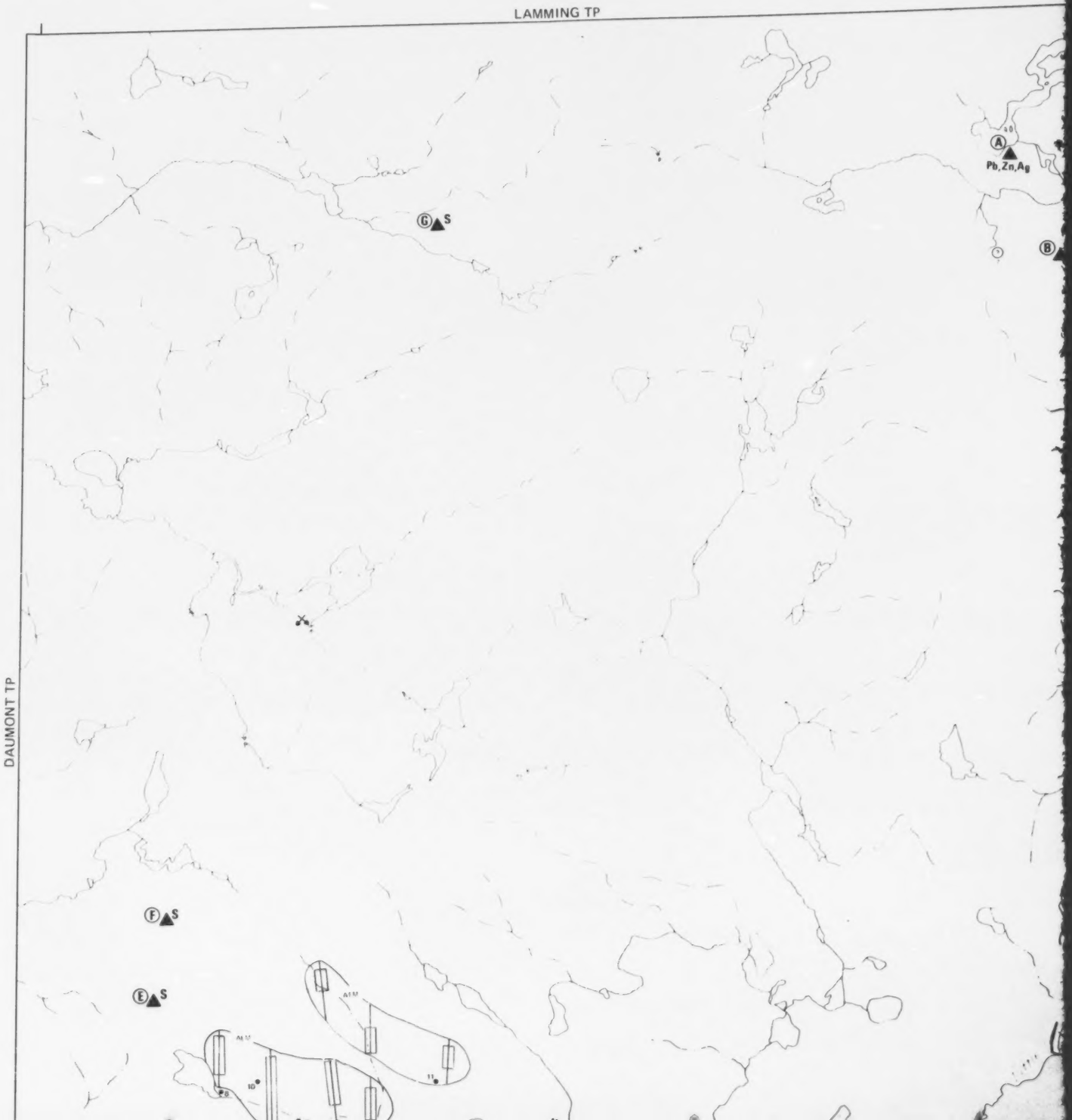
GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ■ — Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ☐ M — Ground magnetic anomaly
- ☐ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horzontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

LAMMING TP

DAUMONT TP



Ministry of Northern Development and Mines
Ontario

René Fontaine
Minister

George Tough
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 308

(Map 2 of 2)

HUGHES TOWNSHIP

DISTRICT OF ALGOMA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number

GEOPHYSICAL ANOMALIES

- ☐ AM — Airborne magnetic anomaly
- ■ Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
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  (VL - Vertical loop; HL - Horzontal loop;
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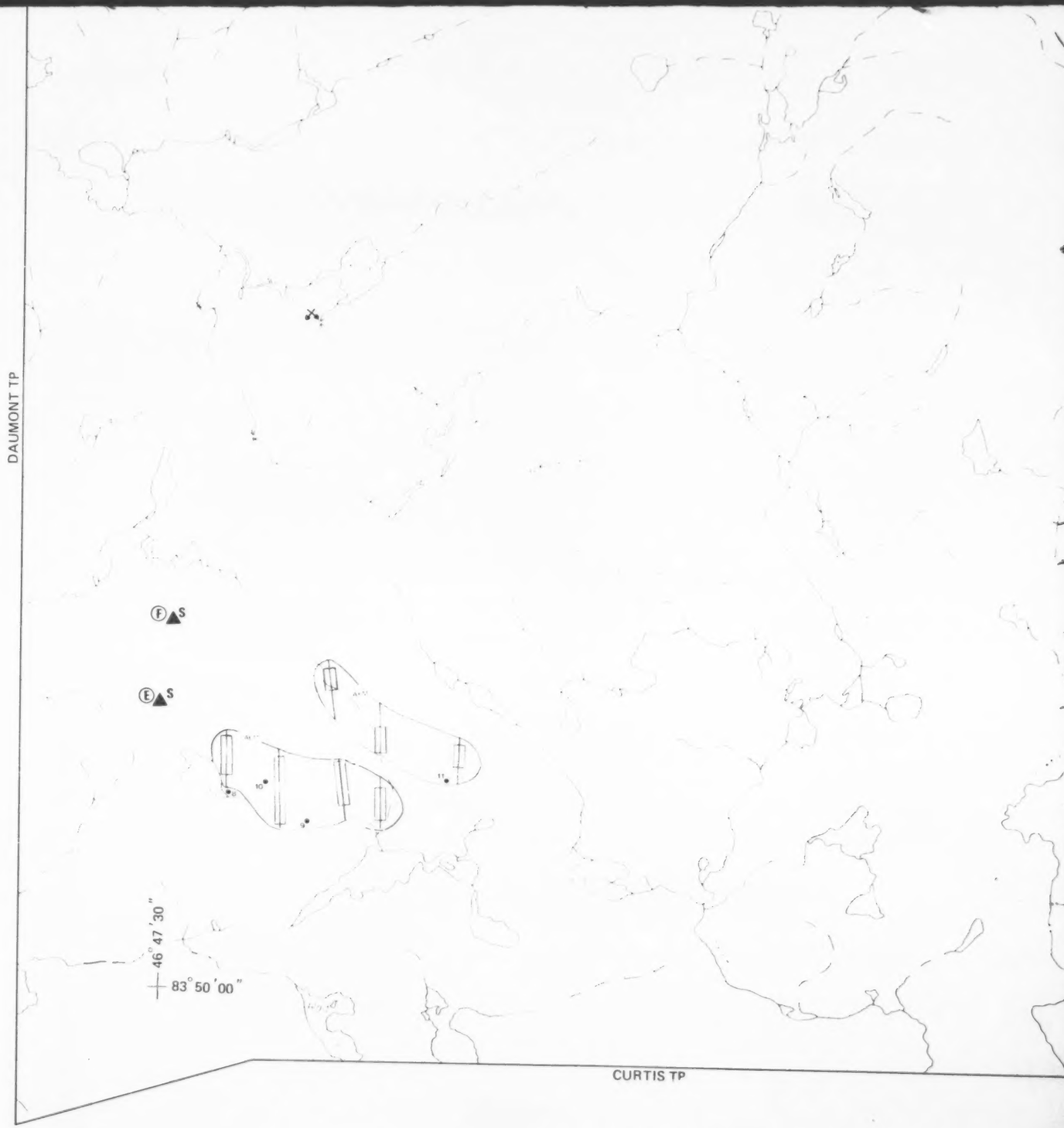
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ■ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



DAUMONT TP

JOLLINEAU TP

CURTIS TP

46° 47' 30"

83° 50' 00"

DISTRICT OF ALGOMA

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

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- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

- ●² — Location of single drillhole, with reference number
- ◉² — Location of closely spaced group of drillholes, with reference number
- (?)² — Drillhole, exact location uncertain, with reference number
- ◯ — Property with underground drillholes in this general area, with reference number
- ○² — Property with drillholes which have not been plotted on map, with reference number
- ⊕² — Reverse circulation drillhole; churn drilling, with reference number